

SECTION II.

ALGEBRAIC EXERCISES.

1. $8 + 7$ expresses what operation? Express in the same way the sum of the numbers a and b ; of c and d ; of x and y .
2. $8 - 3$ expresses what? Express in the same way the subtraction of the number b from the number a ; d from c ; y from x .
3. In each of the expressions 4 twos, 4 times 8, 4 a 's, 4 times b , what number is the multiplicand? What the multiplier? What is meant by the expression $6a$? $8b$? $20c$? ab ? xy ?
4. Express in the form of a fraction $20 \div 4$. In the same way express $a \div b$; $c \div d$; $x \div y$; $2 \div a$; $8 \div d$.
5. If a represents the number of crayons in one box and b represents the number of crayons in another box, how will you express the number of crayons in both boxes?
6. John has c apples and James has d apples. Express the number of apples that both have.
7. If a represents the number of apples that William had, and b the number he gave away, how can you express the number he had left?
8. If each of 4 boys has x cents, what expression would represent the number that all have?
9. If x represents the number of cows that A has, and B has four times as many, what would represent the number of cows that B has? What the number that both have?
10. Shorten the expressions: $x + x + x$; $3x + 2x + x$.
11. If a man has 20 horses, and x represents the number he sells at one time, and $2x$ represents the number he sells at another time, how will you express the whole number he sells? How the number he had left?